

All times are in CEST

## **OPENING SESSION**

09:00	Welcome & Introduction to the Workshop	
	Workshop Introduction & Opening	Jean Sciare
	2 2 3	CARE-C, The Cyprus Institute
	R&I strategy of EU Research Infrastructures in Atmospheric Sciences	Paolo Laj
		Université Grenoble Alpes
ORAL P	RESENTATIONS	
09:30	International initiatives and opportunities	
	ATMO-ACCESS Trans-National Access Opportunities	Sabine Philippin
	The state of the s	CNRS
	The International Methane Emissions Observatory	Stefan Schwietzke
	·	Environmental Defense Fund
	PROBE: Advancing ground-based atmospheric boundary layer profiling at the	Simone Kotthaus
	European scale through EU COST	Institut Pierre Simon Laplace
	EUPHORE simulation chambers: An innovative tool for testing instruments and	Amalia Muñoz
	environmental solutions	CEAM Foundation - EUPHORE Labs
	Research & Innovation Funding Opportunities in Atmospheric Sciences	Pierantonios Papazoglou
		CARE-C, The Cyprus Institute
10:30	COFFEE BREAK	
10:40	Miniaturized in-situ atmospheric sensors	
	Laser technology advances for UAV-based greenhouse gas analysis	Frederic Despagne ABB
	A new mobile platform of ACTRIS for UAV-based atmospheric profiling	Maria Kezoudi
		CARE-C, The Cyprus Institute
	Miniaturized air sampling techniques: Key to successful determination of Volatile	Jose Ruiz Jimenez
	Organic Samples in Air Samples	University of Helsinki
	Characterization of a cost-effective condensation particle counter	Juha Kangasluoma
		University of Helsinki
	Miniaturized Sensors for Probing Air Quality: Potential Applications and Methods for	Spyros Bezantakos
	Assessing their Performance	CARE-C, The Cyprus Institute





	New atmospheric database	
	Towards an observation-based monitoring capacity for anthropogenic emissions of CO <sub>2</sub>	Richard Engelen ECMWF
	EUMETSAT Innovation in Aerosol and Cloud Characterisation	<b>Thierry Marbach</b> EUMETSAT
	Integrated In-Situ Observations, An Asset to Verify the Climate Policy Actions and Adopting Green Economy	Hanna Lappalainen University of Helsinki
	NRT provision of aerosol remote sensing profiles to CAMS: An ACTRIS/EARLINET pilot system	<b>Lucia Mona</b> CNR
12:20	LUNCH BREAK	
13:00	Recent developments in Remote Sensing and Mass Spectrometry	
	Tropospheric temperature and humidity profiling with a new compact, relatively low cost lidar system developed by Raymetrics S.A.	<b>George Tsaknakis</b> RAYMETRICS S.A.
	Innovation solutions for Air Quality monitoring and LIDAR calibration	<b>Guido Di Donfrancesco</b> ALA Advanced Lidar Applications s.r.l.
	Single analyzer for gas-phase and the condensed organics	Jens Herbig IONICON Analytik Ges.m.b.H.
	Observe twice as many molecular species with your high resolution mass spectrometer by using a MION?	HJ Jost Karsa Ltd
	Recent Developments for the Aerosol Chemical Speciation Monitor	Philip Croteau Aerodyne Research, Inc
14:00	Advances in Atmospheric Modelling	
	Aria Technologies: Experience In The Middle East And Latest Innovations In Air Quality Modelling	Fanny Velay ARIA Technologies
	Origins, monitoring the near-real-time greenhouse gas emissions for a low-carbon transition	<b>Jinghui Lian</b> Origins Earth
	Insights on multi-time resolution PMF: testing different time resolutions and uncertainty weightings	<b>Marta Via</b> IDAEA-CSIC
14:30	COFFEE BREAK	
14:40	New in-situ aerosol instrumentation	
	Harmonization of in-situ number concentration and size distribution measurement techniques	Sebastian Schmitt TSI GmbH
	The M2AS: Mass and Mobility Aerosol Size distribution measurement with the CPMA	David Walker Cambustion Ltd
	A dual-wavelength photo-thermal interferometer for the determination of aerosol optical absorption coefficient and the absorption Angstrom exponent	<b>Luka Drinovec</b> Haze Instruments d.o.o.
	Improved sampling of aerosol nanoparticles - Example of a collaboration between academic and industry	Katrianne Lehtipalo University of Helsinki & Finnish Meteorological Institute
15:30	New in-situ gas instrumentation	
	All-in-one instruments for monitoring of air pollutants and greenhouse gases	<b>Morten Hundt</b> MIRO Analytical AG
	SPECTRONUS™ - A high precision multi species GHG analyzer for the next generation of observation networks and process studies	Jost Lavric Ecotech
	Continuous Monitoring Of Greenhouse Gases And Hazardous Air Pollutants With Cavity Ring-Down Spectroscopy	<b>Magdalena Hofmann</b> Picarro
	Development of on-line and field TD-GC-FID/MS for automatic and continuous	Franck Amiet Chromatotec Group
	ambient air monitoring	Chromatotec Group

## **vPICO SESSIONS**

16:10	New Analytical Techniques & Data Analysis	
	Nanoscale IR-imaging and spectroscopic characterization of air-filtered pollution nanoparticles using s-SNOM	Adrian Cernescu Attocube systems AG
	Spectral Aerosol Optical Depth and Angstrom Exponent From Ground-Based	África Barreto
	Fourier Transform Infrared Spectrometry	AEMET (Izaña Observatory)
	Intercomparison between online GC and PTR-TOF in a station of Switzerland's	Felipe Lopez
	National Air Pollution Monitoring Network (NABEL)	TOFWERK AG
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	Peak concentrations measured at a station of Switzerland's National Air Pollution Monitoring Network (NABEL)	<b>Mark Gonin</b> TOFWERK AG
	HERMES: an integrated tool dedicated to online data treatment and display of	Benjamin Chazeau
	submicronic aerosol chemical composition	Aix-Marseille University
	A software tool for the aerosol microphysical retrieval from atmospheric lidar data	Alessia Sannino
		Università degli Studi di Napoli Federico II
	Combination of two Doppler lidars to simultaneously retrieve wind vector and	Johannes Bühl
	turbulence	Leibniz-Institute for Tropospheric Research (TROPOS)
	Instrument combination through inversion methods: Innovative improvement of our	Dominik Stolzenburg
	understanding of aerosol dynamics	Institute for Atmospheric and Earth Systen Research, University of Helsinki
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16:30	New Developments in Atmospheric Instrumentation and Infrastructure	
	Characterization of a chemical modulation reactor for the measurement of	Changmin Cho
	atmospheric hydroxyl radicals with a laser-induced fluorescence instrument	Forshungszentrum Juelich
	A new high-resolution sampler for the study of fine and coarse aerosol composition:	Fabio Giardi
	STRAS (Size and Time-resolved aerosol sampler)	University of Florence
	The BOx of Clustered Sensors (BOCS). A low-cost air quality system for long-term	Sebastian Diez
	monitoring	
		University of York  Dean Venables
	Cork city's low-cost air sensor network shows PM2.5 levels vary significantly across	
	the city	University College Cork
	Engineering, Construction, and Operation of Cloud Simulation Chambers for	Ottmar Möhler
	Atmospheric Research	Karlsruhe Institute of Technology (KIT)
	Towards a new FRM4DOAS site in the Po Valley	Paolo Pettinari
		University of Bologna, ISAC-CNR
16:45	Recent Research Achievements In Atmospheric Sciences	
	High resolution unattended particle-bound total carbon measurements and source	Alejandro Keller
	identification at the Jungfraujoch global GAW station	University of Applied Sciences
	donanou at the danghaujoon global Critt diation	Northwestern Switzerland
	The presence of microplastic in the Total suspended particles	Jagoda Worek
	The presence of micropiastic in the Total suspended particles	AGH University of Science & Technology
	The feedback of decide on the Heating Detectible band have each on	
	The feedback of clouds on the Heating Rate of black and brow carbon	Luca Ferrero
		University of Milano-Bicocca
	Dynamic of the atmospheric boundary layer over two rural sites with doppler lidar	Pablo Ortiz Amezcua
		University of Warsaw
	Modeling and spatial characterization of aerosol at Middle East AERONET stations	Chukwuma Anoruo
		University of Nigeria, Nsukka
	The characteristics of the urban atmosphere in Moscow megacity and their radiative	Natalia Chubarova
	and meteorological properties according to modelling and measurement in different conditions including the 2020 Spring lockdown due to COVID-19	Lomonosov Moscow State University
	On the role of the ocean in simulating extreme atmospheric events	Antonio Ricchi
		University Of L'Aquila/CETEMPS
	Assessment of GHG emissions from transport sector of Azerbaijan	Sadig Hasanov
	, ,	The İnstitute of Radiation Problems
	Seasonality of PM10 sources at traffic and urban background air monitoring stations:	Lucyna Samek
	Case study from Krakow, Southern Poland	AGH University of Science & Technology
47-40	On A Benefit of Consideration	
17:10	Q&A Parallel Sessions	7FRO #EUGreenWe



17:30



**End of Workshop** 











